

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6. (Canceled)

Claim 7. (Original): A modular network storage system comprising:

a file processor for directing functions associated with the archival of data over a network, the file processor being a part of a computing device;

a plurality of backup devices, each backup device having storage space for the archival of data;

a plurality of media components, each media component being part of a computing device and being communicatively coupled to one or more of the plurality of the backup devices and the file processor for controlling the archival functions of the backup devices in accordance with the direction from the file processor;

a plurality of client components for generating archival type requests; and
wherein the file processor, in response to the archival type requests, provides direction to the plurality of media components for directing the archival functions in accordance with the archival type requests.

Claim 8. (Original) The modular network storage system of claim 7, further comprising:

a management component, which is a part of a computing device, communicatively coupled to the file processor and the plurality of client devices for coordinating archival functions.

Claim 9. (Original) The modular network storage system of claim 7, further comprising:

a plurality of client devices; and

wherein each client component is communicatively coupled to one or more of the plurality of client devices and the file processor for communicating the archival type requests from the client devices to the file processor.

Claim 10. (Previously Presented) The modular network storage system of claim 9, wherein at least two of the plurality of client devices run different operating systems.

Claim 11. (Previously Presented) The modular network storage system of claim 7, wherein the archival type requests comprise backup requests such that at least one copy of data is stored in a location other than an original location of the data.

Claim 12. (Previously Presented) The modular network storage system of claim 7, wherein the archival type requests comprise requests that allow data to be requested in the computer storage system for immediate access.

Claim 13. (Previously Presented) The modular network storage system of claim 7, wherein the archival type requests comprise restoration requests that provide the modular network storage system with the ability to restore data to a selected state.

Claim 14. (Previously Presented) The modular network storage system of claim 9, further comprising:

a network storage media communicatively coupled to two or more of the plurality of client devices over the network and the plurality of backup devices;

wherein at least one client device includes a local storage media;

wherein the archival functions include reading data from the network storage media and writing the data to one of the plurality of backup devices; and

wherein the archival functions include reading data from the local storage media and writing the data to one of the plurality of backup devices.

Claim 15. (Previously Presented) A method for storing data over a network, comprising:

 providing a file processor, communicatively coupled to at least one client component and a plurality of media components;

 providing a plurality of backup devices, each backup device having physical storage space for performing archival functions;

 coupling the plurality of media components communicatively with the plurality of backup devices, and with a file processor, wherein each of the media components controls the archival functions of one or more backup devices;

 generating an archival type request, by the at least one of client component to the file processor; and

 directing, by the file through the plurality of media components, the backup devices to perform an archival function, in accordance with the archival type request.

Claim 16. (Previously Presented) The method of claim 15, wherein at least two clients run different operating systems.

Claim 17. (Previously Presented) The method of claim 16, wherein the archival type request comprises a backup request such that at least one copy of the data is stored in a location other than an original location of the data.

Claims 18-19 (Canceled)

Claim 20. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

 providing a client component to coordinate backup and retrieval functions for the computing device;

 providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests; and

 providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request; and

wherein providing the client component to coordinate backup and retrieval functions comprises the client component communicating with the management component regarding backup and retrieval functions.

Claim 21. (Canceled)

Claim 22. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests;

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request; and

wherein providing the client component to coordinate backup and retrieval functions comprises the client component The method of claim 21, wherein communicating with the management component regarding backup and retrieval functions comprises communicating with the management component regarding a backup schedule.

Claim 23. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests;

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request; and

wherein providing the client component to coordinate backup and retrieval functions comprises the client component The method of claim 21, wherein communicating with

~~the management component regarding backup and retrieval functions comprises communicating with the management component regarding a type of file to backup.~~

Claim 24. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests; and

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request; and

wherein providing the client component to coordinate backup and retrieval functions comprises the client component ~~The method of claim 21, wherein communicating with the management component regarding backup and retrieval functions comprises communicating with the management component regarding an aging policy.~~

Claim 25. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests; and

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request; and

wherein providing the client component to coordinate backup and retrieval functions comprises the client component ~~The method of claim 21, wherein communicating with the management component regarding backup and retrieval functions comprises communicating with the management component regarding index pruning.~~

Claim 26. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests; and

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request; and

wherein providing the client component to coordinate backup and retrieval functions comprises the client component ~~The method of claim 21, wherein communicating with the management component regarding backup and retrieval functions comprises communicating with the management component regarding a type of backup.~~

Claim 27. (Original) The method of claim 26, wherein communicating with the management component regarding the type of backup comprises communicating with the management component regarding a full backup.

Claim 28. (Original) The method of claim 26, wherein communicating with the management component regarding the type of backup comprises communicating with the management component regarding an incremental backup.

Claim 29. (Original) The method of claim 26, wherein communicating with the management component regarding the type of backup comprises communicating with the management component regarding a differential backup.

Claim 30. (Original) The method of claim 20, wherein providing a media component comprises providing a media component communicatively coupled to the client component via a local area network.

Claim 31. (Original) The method of claim 20, wherein providing a media component comprises providing a media component communicatively coupled to the client component via a storage area network.

Claim 32. (Original) The method of claim 20, wherein providing a management component comprises providing a management component communicatively coupled to the client component via a local area network.

Claim 33. (Original) The method of claim 20, wherein providing a management component comprises providing a management component communicatively coupled to the client component via a storage area network.

Claim 34. (Original) The method of claim 20, wherein controlling one or more backup devices comprises controlling one or more optical media backup devices.

Claim 35. (Original) The method of claim 20, wherein controlling one or more backup devices comprises controlling one or more magnetic media backup devices.

Claim 36. (Original) The method of claim 20, wherein controlling one or more backup devices comprises controlling one or more tape backup devices.

Claim 37. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests; and

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request;

wherein providing the client component to coordinate backup and retrieval functions comprises the client component communicating with the management component regarding backup and retrieval functions; and

~~The method of claim 20,~~ wherein directing the client component and the media component to perform the archival type request comprises directing the client component or the media component regarding a backup schedule.

Claim 38. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests; and

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request;

wherein providing the client component to coordinate backup and retrieval functions comprises the client component communicating with the management component regarding backup and retrieval functions; and

~~The method of claim 20,~~ wherein directing the client component and the media component to perform the archival type request comprises directing the client component or the media component regarding a type of file to backup.

Claim 39. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests; and

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request;

wherein providing the client component to coordinate backup and retrieval functions comprises the client component communicating with the management component regarding backup and retrieval functions; and

The method of claim 20, wherein directing the client component and the media component to perform the archival type request comprises directing the client component or the media component regarding an aging policy.

Claim 40. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component, controlling one or more backup devices directed to performing archival type requests; and

providing a management component, communicatively coupled to the client component and the media component, directing the client component and the media component to perform the archival type request;

wherein providing the client component to coordinate backup and retrieval functions comprises the client component communicating with the management component regarding backup and retrieval functions; and

The method of claim 20, wherein directing the client component and the media component to perform the archival type request comprises directing the client component or the media component regarding index pruning.

Claim 41. (Currently Amended) A method for performing an archival type request for a client computing device in a computer network, the method comprising:

providing a client component to coordinate backup and retrieval functions for the computing device;

providing a media component, communicatively coupled to the client component,
controlling one or more backup devices directed to performing archival type requests; and
providing a management component, communicatively coupled to the client
component and the media component, directing the client component and the media component
to perform the archival type request;

wherein providing the client component to coordinate backup and retrieval
functions comprises the client component communicating with the management
component regarding backup and retrieval functions; and

The method of claim 20, wherein directing the client component and the media component to perform the archival type request comprises directing the client component or the media component regarding a type of backup.

Claim 42. (Original) The method of claim 20, wherein directing the client component or the media component regarding a type of backup comprises directing the client component or the media component regarding a full backup.

Claim 43. (Original) The method of claim 20, wherein directing the client component or the media component regarding a type of backup comprises directing the client component or the media component regarding an incremental backup.

Claim 44. (Original) The method of claim 20, wherein directing the client component or the media component regarding a type of backup comprises directing the client component or the media component regarding a differential backup.

Claim 45. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request; and

wherein the client component is further programmed to communicate with the management component regarding backup and retrieval functions.

Claim 46. (Canceled)

Claim 47. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests;

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request; and

The method of claim 46, wherein the client component is further programmed to communicate with the management component regarding a backup schedule.

Claim 48. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests;

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request; and

~~The method of claim 46,~~ wherein the client component is further programmed to communicate with the management component regarding a type of file to backup.

Claim 49. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request; and

~~The method of claim 46,~~ wherein the client component is further programmed to communicate with the management component regarding an aging policy.

Claim 50. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request; and

~~The method of claim 46,~~ wherein the client component is further programmed to communicate with the management component regarding index pruning.

Claim 51. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request; and

The method of claim 46, wherein the client component is further programmed to communicate with the management component regarding a type of backup.

Claim 52. (Currently Amended) The system method of claim 51, wherein the client component is programmed to communicate with the management component regarding a full backup.

Claim 53. (Currently Amended) The system method of claim 51, wherein the client component is programmed to communicate with the management component regarding an incremental backup.

Claim 54. (Currently Amended) The system method of claim 51, wherein the client component is programmed to communicate with the management component regarding a differential backup.

Claim 55. (Currently Amended) The system method of claim 45, wherein the media component is communicatively coupled to the client component via a local area network.

Claim 56. (Currently Amended) The system method of claim 45, wherein the media component is communicatively coupled to the client component via a storage area network.

Claim 57. (Currently Amended) The system method of claim 45, wherein the management component is communicatively coupled to the client component via a local area network.

Claim 58. (Currently Amended) The system method of claim 45, wherein the management component is communicatively coupled to the client component via a storage area network.

Claim 59. (Currently Amended) The system method of claim 45, wherein the media component is programmed to control one or more optical media backup devices.

Claim 60. (Currently Amended) The system method of claim 45, wherein the media component is programmed to control one or more magnetic media backup devices.

Claim 61. (Currently Amended) The system method of claim 45, wherein the media component is programmed to control one or more tape media backup devices.

Claim 62. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request;

wherein the client component is further programmed to communicate with the management component regarding backup and retrieval functions; and

The method of claim 45, wherein the management component is further programmed to direct the client component or the media component regarding a backup schedule.

Claim 63. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request;

wherein the client component is further programmed to communicate with the management component regarding backup and retrieval functions; and

The method of claim 45, wherein the management component is further programmed to direct the client component or the media component regarding a type of file to backup.

Claim 64. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request;

wherein the client component is further programmed to communicate with the management component regarding backup and retrieval functions; and

The method of claim 45, wherein the management component is further programmed to direct the client component or the media component regarding an aging policy.

Claim 65. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request;

wherein the client component is further programmed to communicate with the management component regarding backup and retrieval functions; and

The method of claim 45, wherein the management component is further programmed to direct the client component or the media component regarding index pruning.

Claim 66. (Currently Amended) A system for performing an archival type request for a client computing device in a computer network, the system comprising:

a client component programmed to coordinate backup and retrieval functions for the computing device

a media component, communicatively coupled to the client component, programmed to control one or more backup devices directed to performing archival type requests; and

a management component, communicatively coupled to the client component and the media component, programmed to direct the client component and the media component to perform the archival type request;

wherein the client component is further programmed to communicate with the management component regarding backup and retrieval functions; and

~~The method of claim 45,~~ wherein the management component is further programmed to direct the client component or the media component regarding a type of backup.

Claim 67. (Currently Amended) The system ~~method~~ of claim 66, wherein the management component is programmed to direct the client component or the media component regarding a full backup.

Claim 68. (Currently Amended) The system ~~method~~ of claim 66, wherein the management component is programmed to direct the client component or the media component regarding an incremental backup.

Claim 69. (Currently Amended) The system ~~method~~ of claim 66, wherein the management component is programmed to direct the client component or the media component regarding a differential backup.